

**Figure 1**

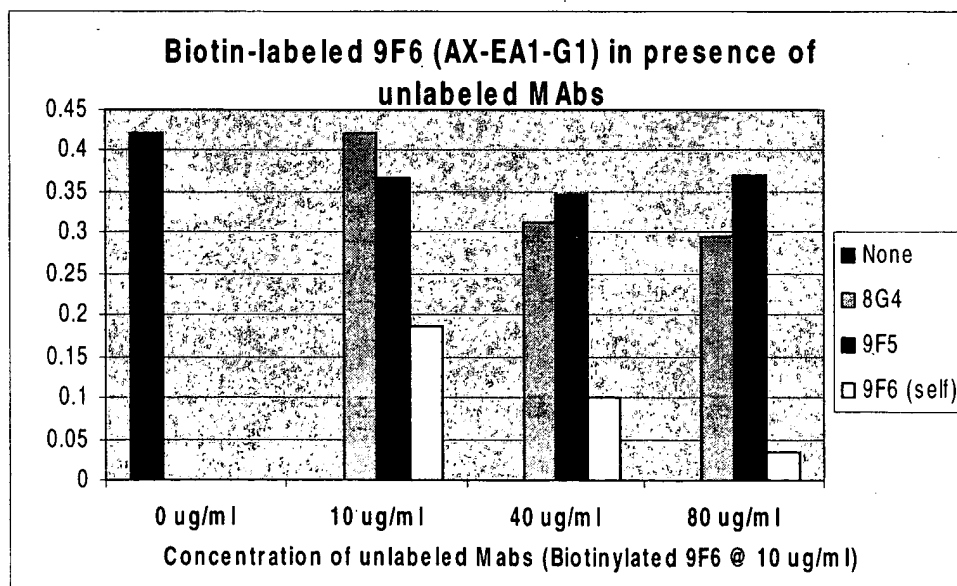
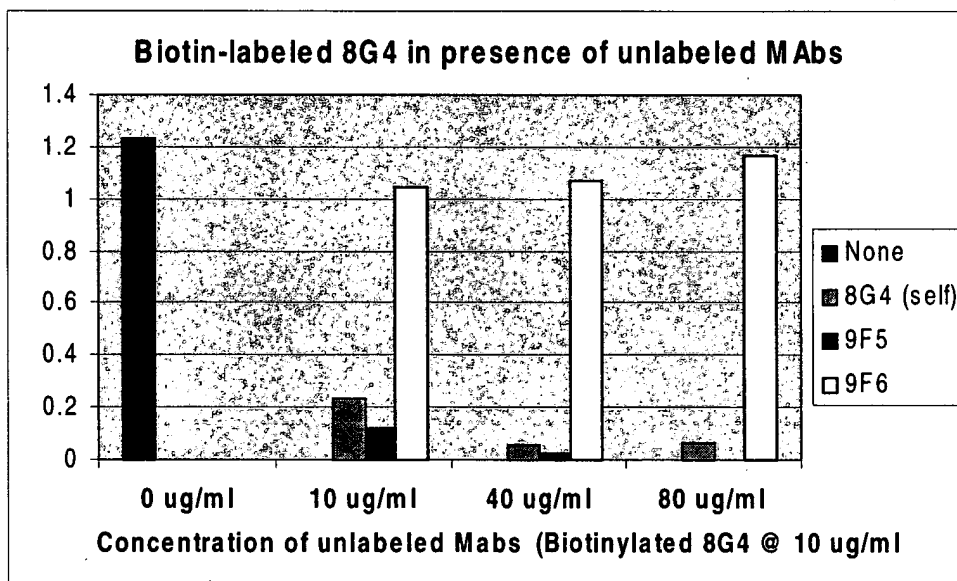
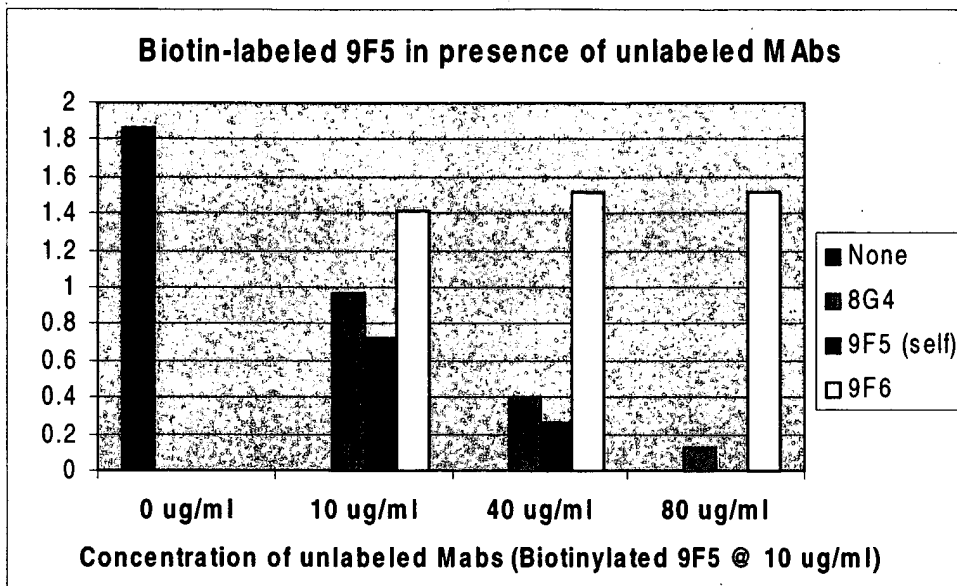
**Amino Acid Sequence of Mature EA1 Protein  
(without signal peptide)**

10	20	30	40	50	60
AGKSFPDVPA	GHWAEGSINY	LVDKGAITGK	PDGTYGPTE	IDRASAAVIF	TKILNLPVDE
70	80	90	100	110	120
NAQPSFKDAK	NIWSSKYIAA	VEKAGVVKGD	GKENFYPEGK	IDRASFASML	VSAYNLKDKV
130	140	150	160	170	180
NGELVTTTFED	LLDHWGEEKA	NILINLGISV	GTGGKWEPNK	SVSRAEAAQF	IALTDKKYKG
190	200	210	220	230	240
KDNAQAYVTD	VKVSEPTKLT	LTGTGLDKLS	ADDVTLEGDK	AVAIEASTDG	TSAVVTLGGK
250	260	270	280	290	300
VAPNKDLTVK	VKNQSFVTKF	VYEVKKLAVE	KLTFDDDRAG	QAIAFKLNDE	KGNADVEYLN
310	320	330	340	350	360
LANHDKVFVA	NNLDGSPANI	FEGGEATSTT	GKLAVGIKQG	DYKVEVQVTK	RGGLTVSNTG
370	380	390	400	410	420
IITVKNLDTTP	ASAIKNVVFA	LDADNDGVVN	YGSKLSGKDF	ALNSQNLVVG	EKASLNKLVA
430	440	450	460	470	480
TIAGEDKVVD	PGSISIKSSN	HGIISVVNNY	ITAEAAAGEAT	LTIKVGDVTK	DVKFKVTTDS
490	500	510	520	530	540
RKLVSVKANP	DKLQVVQNKT	LPVTFVTTDQ	YGDVFGANTA	AIKEVLPKTG	VVAEGGLDVV
550	560	570	580	590	600
TTDSGSIGTK	TIGVTGNDVG	EGTVHFQNGN	GATLGSLYVN	VTEGNVAFKN	FELVSKVGQY
610	620	630	640	650	660
GQSPDTKLDL	NVSTTVEYQL	SKYTSDRVYS	DPENLEGYEV	ESKNLAVADA	KIVGNKVVVT
670	680	690	700	710	720
GKTPGKVDIH	LTKNGATAGK	ATVEIVQETI	AIKSVNFKPV	QTENFVEKKI	NIGTVLELEK
730	740	750	760	770	780
SNLDDIVKGI	NLTKETQHKV	RVVKSGAEQG	KLYLDRNGDA	VFNAGDVKLG	DVTVSQTSDS
790	800	810	820	830	840
ALPNFKADLY	DTLTTKYTDK	GTLVFKVLKD	KDVITSEIGS	QAVHVNVLNN	PNL

(SEQ. ID. NO. 1)

Amino acids highlighted in red correspond to sequences determined for Bands 1 and 2.

# Competitive Inhibition Analysis



**Figure 2**